

AMENDMENTS TO THE CLAIMS

The following is a complete listing of the claims with a status identifier in parenthesis.

Listing of the Claims:

1. (Currently Amended) A cam apparatus for knitting a fabric in a weft knitting machine having front and rear needle beds facing each other at a needle bed gap, the cam apparatus comprising:

a knitting cam mounted on a carriage moving along each of the needle beds, ~~for acting to act~~ on a needle body of each of compound needles arranged on each of the carriage side by side in each of the needle beds; and

a slider cam mounted on a side of the carriage facing the needle bed gap, ~~for acting to act~~ on a butt of a slider and driving for and to drive an operation of knitting a fabric so that the slider is cooperated with the needle body driven by the knitting cam,

wherein the cam apparatus ~~comprises~~ includes a group of transfer cams provided in series with respect to the knitting cam on at least one of the carriages, and a group of receiving cams provided in series with respect to the knitting cam on at least one of the carriages, which is opposed at the needle bed gap to the carriage provided with the group of transfer cams,

the group of transfer cams including:

a slider transfer raising cam, disposed at an ending position of a cam route through which the butt of the slider is guided by the slider cam, the slider transfer raising cam being capable of ~~control of~~ controlling a change-over between driving and non-driving of the butt of the slider, ~~is carried out, and when wherein during the~~ change-over to driving of drive the slider ~~is carried out,~~ the slider transfer raising cam guiding the butt of the slider and moves further to convey the slider to a cam route in which a tongue of the slider advances ~~farther toward~~ towards the needle bed gap than a hook of the needle body ~~does;~~ and

a transfer cam, disposed on the cam route to which the butt of the slider is guided by the slider transfer raising cam, ~~for driving to drive~~ the slider to advance to a transfer position where a knitted loop can be transferred at a farther advanced position ~~toward~~ towards the needle bed gap than a position advanced by the slider cam, and

the group of receiving cams including:

a transfer-side knitted loop receiving cam disposed at a position facing the transfer cam of the group of transfer cams, the transfer-side knitted loop receiving cam being capable of ~~control of~~ controlling a change-over between driving and non-driving of the needle body, ~~and when wherein during the~~ change-over to driving of drive the needle body ~~is carried~~

~~out~~, the transfer-side knitted loop receiving cam ~~drives~~ the needle body and moves to convey a hook of the needle body to a knitted loop receiving position where a knitted loop can be received from the slider advancing to the transfer position by the transfer cam; and

a slider receiving raising cam, ~~with respect to movement of the carriage,~~ disposed in a vicinity of a position where the driving of the needle body is started by the knitted loop receiving cam, the slider receiving raising cam being capable of controlling a change-over between driving and non-driving of the butt of the slider, ~~and when wherein~~ during the change-over to driving of drive the butt of the slider ~~is carried out~~, the slider receiving raising cam guides the butt of the slider and moves further to convey the slider to a receiving retention route for retaining the knitted loop in which a tongue of the slider advances ~~farther toward~~ towards the needle bed gap than a hook of the needle body ~~does~~,

wherein the group of transfer cams further include a transfer-side knitted loop transfer cam disposed at a position facing a receiving retention route through which the slider is guided by the receiving raising cam of the group of receiving cams, ~~which the~~ transfer-side knitted loop transfer cams are being capable of ~~control of~~ controlling a change-over between driving and non-driving of the needle body, and ~~conveys~~ conveying the hook of the needle body independently or together with the slider to the knitted loop receiving position when carrying out the change-over to driving of drive the needle body ~~is carried out~~.

2. (Currently Amended) The cam apparatus of claim 1, wherein the compound needle is provided with a needle jack ~~in order to be driven~~ so as to be driven by the knitting cam to perform a knitting operation; and

the butt of the slider is ~~constituted so as to be sank~~ provided to move into a needle groove and ~~no longer not be~~ subjected to a driving operation from the group of receiving cams by moving the needle jack into the needle groove; ~~and~~

the cam apparatus further comprising a needle jack guide cam and a presser ~~are further included~~, the needle jack guide being provided in series to the group of receiving cams and ~~more~~ extends outwardly from the knitting cam, the needle jack guide cam including having a pressing slope for pressing a butt of the needle jack so as to move the butt of the slider into the needle groove, and a cam face for guiding the butt of the needle jack to the pressing slope so that the butt of the slider passes through the group of transfer cams, the presser being selectively capable of pressing the needle jack so as to pass the needle jack without engaging with the cam face of the needle jack guide cam.

3. (Previously Presented) The cam apparatus of claim 1, wherein the group of transfer cams and the group of receiving cams are respectively provided on the carriages which are respectively disposed on the front and rear needle beds.

4. (Currently Amended) The cam apparatus of claim 1, wherein each of the carriages includes the knitting cam to execute at least one knitting operation, each of the carriages further comprises comprising:

~~a knitting cam for execution of one knitting operation;~~

a needle selection mechanism disposed on two sides of the knitting cam with respect to a moving direction of the carriage, the needle selection mechanism performing a needle selection operation for selecting a needle to one position among ~~different three~~ three different control positions; and

a movable presser disposed at one ~~position~~ of the three positions, the movable presser being capable of controlling the knitting operation.